

ABSTRACT

A coaxial cable comprising a core conductor, an insulator arranged around the outer periphery of the core conductor, and an outer conductor arranged around the outer periphery of the insulator coaxially relative to the core conductor, wherein the electrical conductivity is 20 %IACS or more and the Young's modulus of the core conductor is 245 GPa or more. In the present invention, the Young's modulus of the core conductor is specified in particular since it is effective to have high Young's modulus in order to improve torsion resistance in addition to superior durability against tensile stress and repeated bending. In order to satisfy such Young's modulus, preferably the core conductor is made of a material of one or more kinds selected from the group consisting of tungsten, tungsten alloy, molybdenum, and molybdenum alloy.